

**ABSTRACT OF THE DISCLOSURE****METHOD, COMPUTER PROGRAM PRODUCT, AND DATA PROCESSING  
SYSTEM FOR SOURCE VERIFIABLE AUDIT LOGGING**

A method, computer program product, and a data processing system for logging audit events in a data processing system. A sequence of audit records including a final audit record are written to a first log file stored by a data processing system. A respective first hash value of each audit record is calculated. Responsive to calculating each respective first hash value, a corresponding second hash value is calculated from the first hash value and a value of a register associated with the data processing system. The second hash value is written to the register. A second log file is opened in response to closing the first log file. A final second hash value corresponding to a first hash value of the final audit record is written to a first record of the second log file.